



## Appendices

Appendix A. Fenwick Island Maps

Appendix B. Excerpts from Community Survey Results

Appendix C. Demographic Profile

Appendix D. Resolution regarding Offshore Wind Development

Appendix E. Potential Funding Sources



## Appendix A. Maps

# Town of Fenwick Island

Sussex County, Delaware



## Roads and Boundaries

- Fenwick Island Town Limits
- Town Parcels
- County Parcels
- State and County Boundaries
- Major Routes



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Sources:  
 Aerial Imagery - Surdex, Corp. 2017. Municipal Boundaries - Delaware Office of State Planning Coordination (OSPC).  
 FirstMap 10/21. Roads - Sussex County, Delaware, 10/21.  
 Railroads - DelDOT, FirstMap, 10/21.  
 Hydrology - USGS and National Hydrography Dataset (NHD) fowline, USGS and EPA, FirstMap 10/21.

Note:  
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# Town of Fenwick Island

Sussex County, Delaware



## Transportation Features

- Planned Sidewalk
- Existing Sidewalks
- Bike - Regional Bike Routes
- Bike - Statewide Bike Routes
- Transit - Bus Stops
- Major Routes
- Streets
- State Parcels
- Fenwick Boundary
- State and County Boundaries



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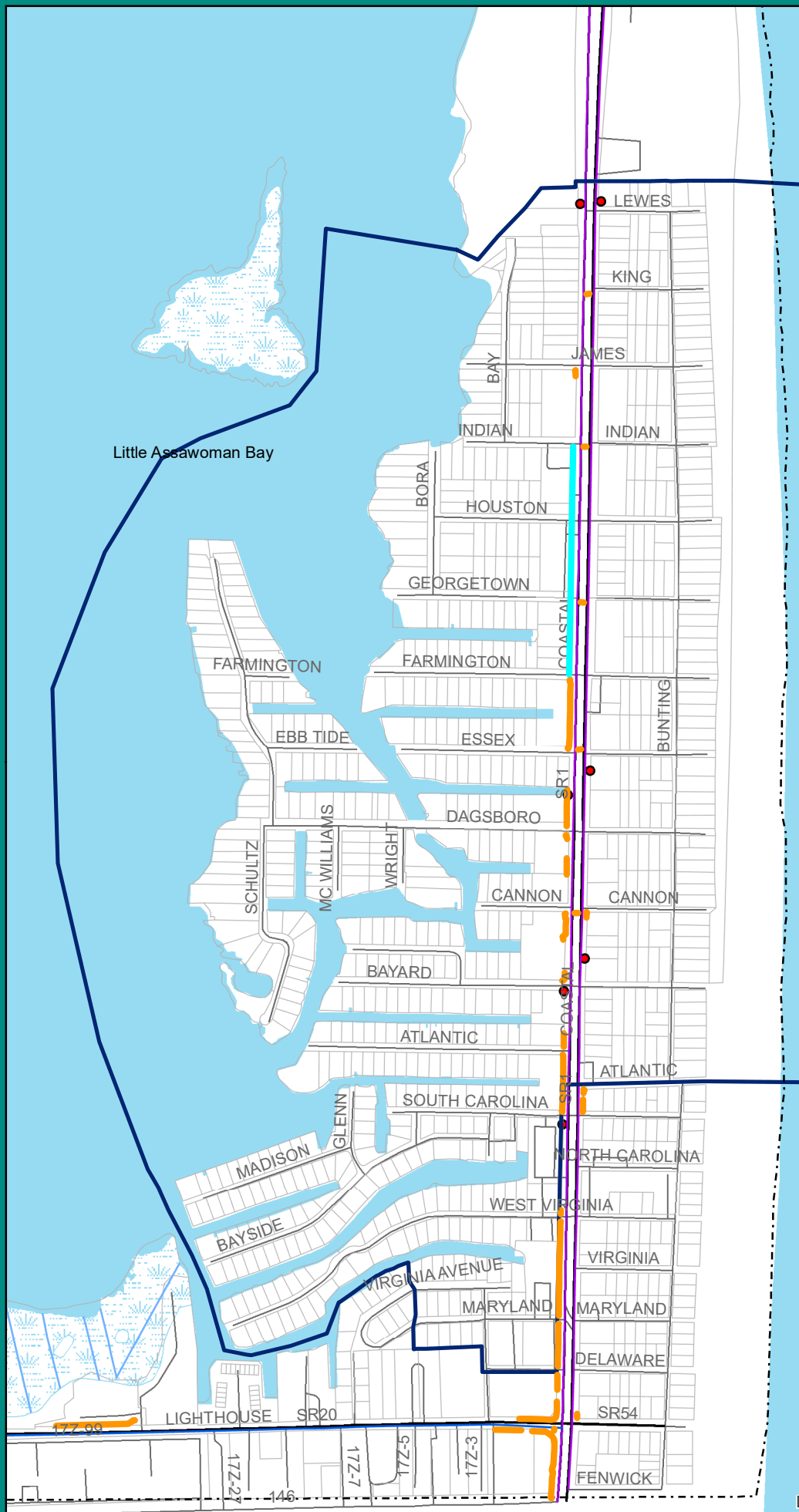


Sources:  
 Aerial Imagery - Surdex, Corp. 2017. Municipal Boundaries - Delaware Office of State Planning Coordination (OMB).  
 FirstMap 10/21. Roads - Sussex County, Delaware, 10/21.  
 Railroads - DelDOT, FirstMap, 10/21.  
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DelDOT



# Town of Fenwick Island

Sussex County, Delaware



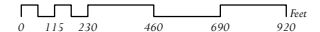
## Environmental Features

### Legend

- Major Routes
- Streets
- Fenwick Boundary
- 2017 Wetlands (not regulatory)
- Well Head Protection Areas
- 2017 High Marsh (not regulatory)
- 2017 Low Marsh (not regulatory)
- Protected Lands
- ExLand\_Use**
- Park

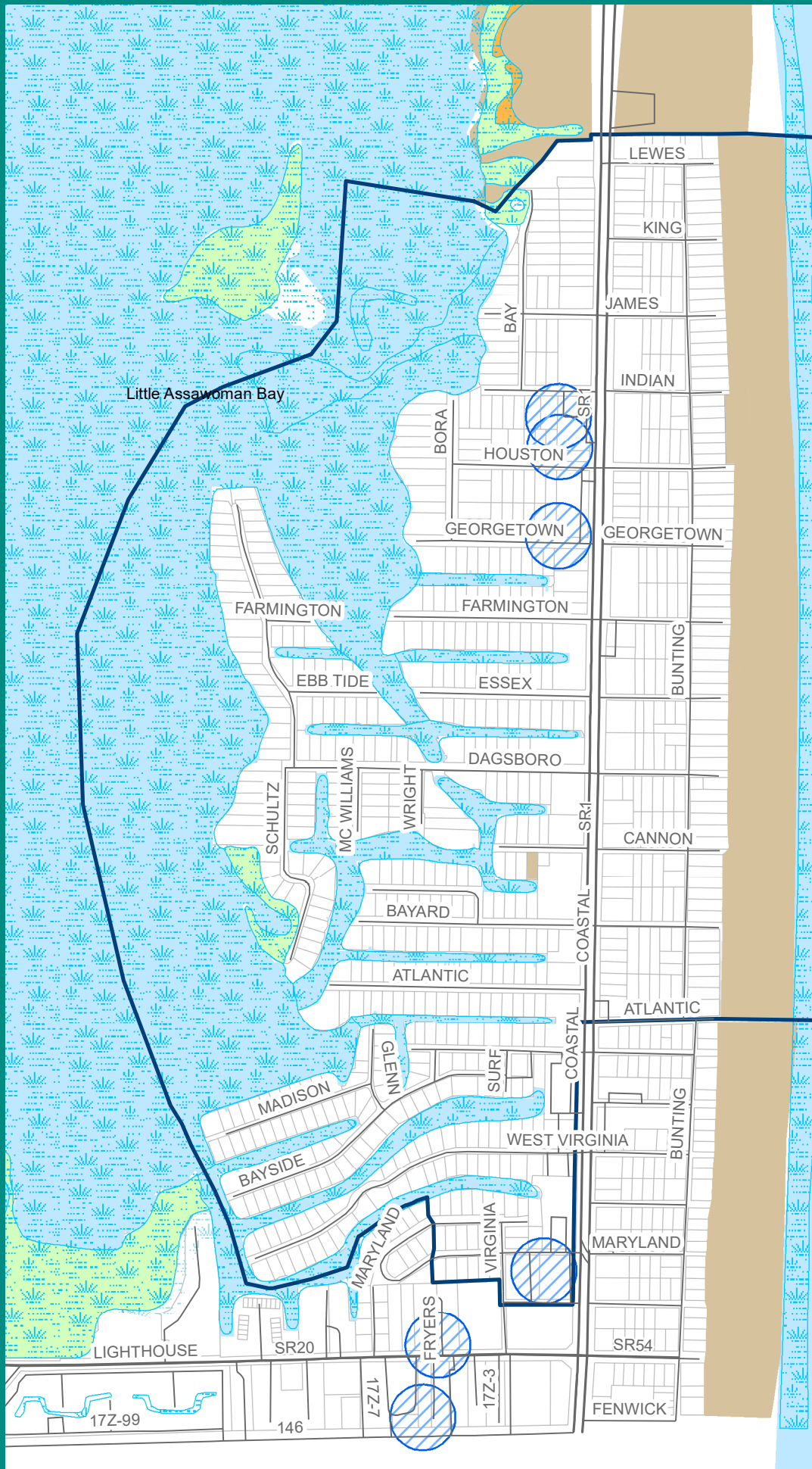


DRAFT - March 2023



Sources:  
 FEMA Flood Plains - FEMA, Flood hazard areas identified on the Flood Insurance Rate Map are identified as a Special Flood Hazard Area (SFHA), FirstMap 05/22.  
 Municipal Boundaries - Delaware Office of State Planning Coordination (OMB), FirstMap 10/21.  
 Roads - Sussex County, Delaware, 10/21.  
 Hydrology - USGS and National Hydrography Dataset (NDH) flowline, USGS and EPA, FirstMap 10/21.

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# Town of Fenwick Island

Sussex County, Delaware



## Flood Plains

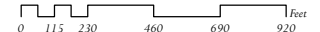
### FEMA Flood Maps

#### Flood Zone

- A
- AE
- AE, FLOODWAY
- AO
- VE
- X, 0.2 PCT ANNUAL CHANCE FLOOD HAZARD
- Base Flood Elevation
- LIMWA
- Major Routes
- Streets
- Fenwick Boundary

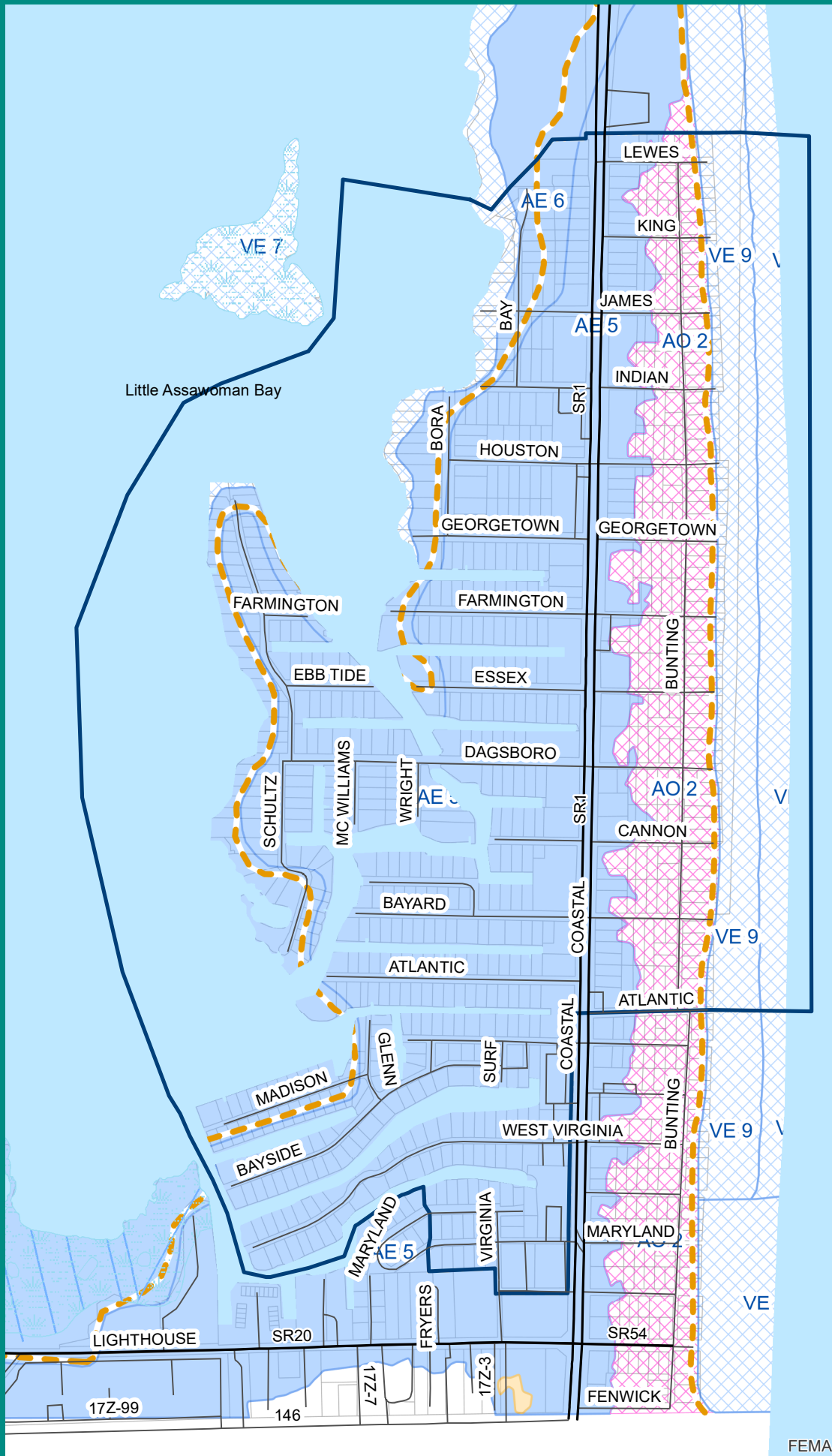


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Sources:  
 FEMA Flood Plains - FEMA, Flood hazard areas identified on the Flood Insurance Rate Map are identified as a Special Flood Hazard Area (SFHA), FirstMap 05/22.  
 Municipal Boundaries - Delaware Office of State Planning Coordination (OMB), FirstMap 10/21.  
 Roads - Sussex County, Delaware, 10/21.  
 Hydrology - USGS and National Hydrography Dataset (NDH) flowline, USGS and EPA, FirstMap10/21.

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FEMA

# Town of Fenwick Island

Sussex County, Delaware



## Existing Land Use

### Fenwick Parcels

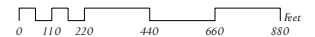
#### Existing Land Use

- Residential
- Commercial
- Institutional
- Park
- Vacant

- Fenwick Boundary
- Major Routes

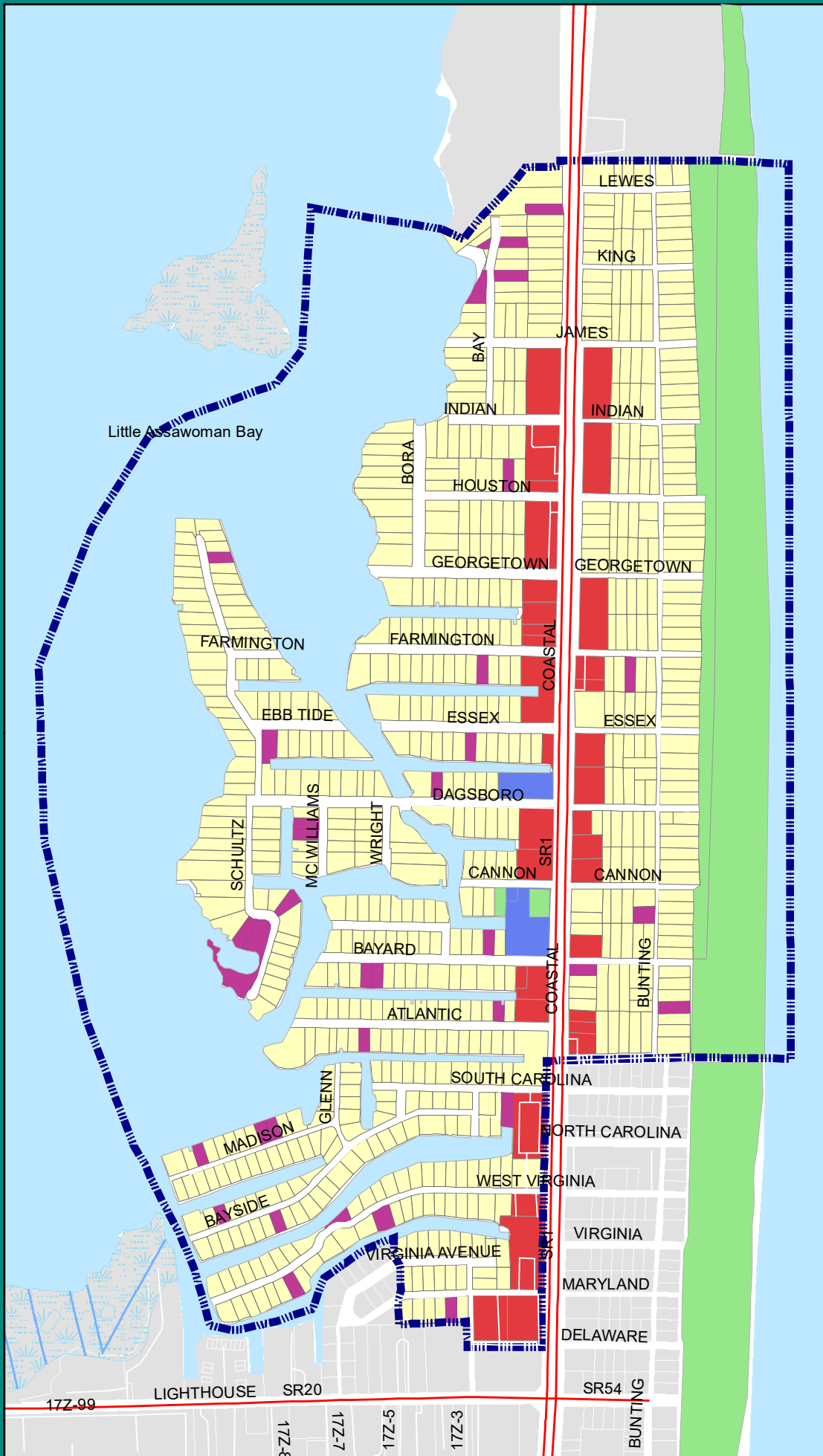


DRAFT - May 2023



Sources:  
 Aerial Imagery - Surdex, Corp. 2017. Municipal Boundaries - Delaware Office of State Planning Coordination (OMB).  
 FirstMap 10/21. Roads - Sussex County, Delaware, 10/21.  
 Railroads - DelDOT, FirstMap, 10/21.  
 Hydrology - USGS and National Hydrography Dataset (NDH) flowline, USGS and EPA, FirstMap10/21.

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# Town of Fenwick Island

Sussex County, Delaware



## Delaware Strategies for State Policies and Spending

- Level 1
- Level 2
- Level 3
- Level 4
- Out of Play

Fenwick Island Boundary

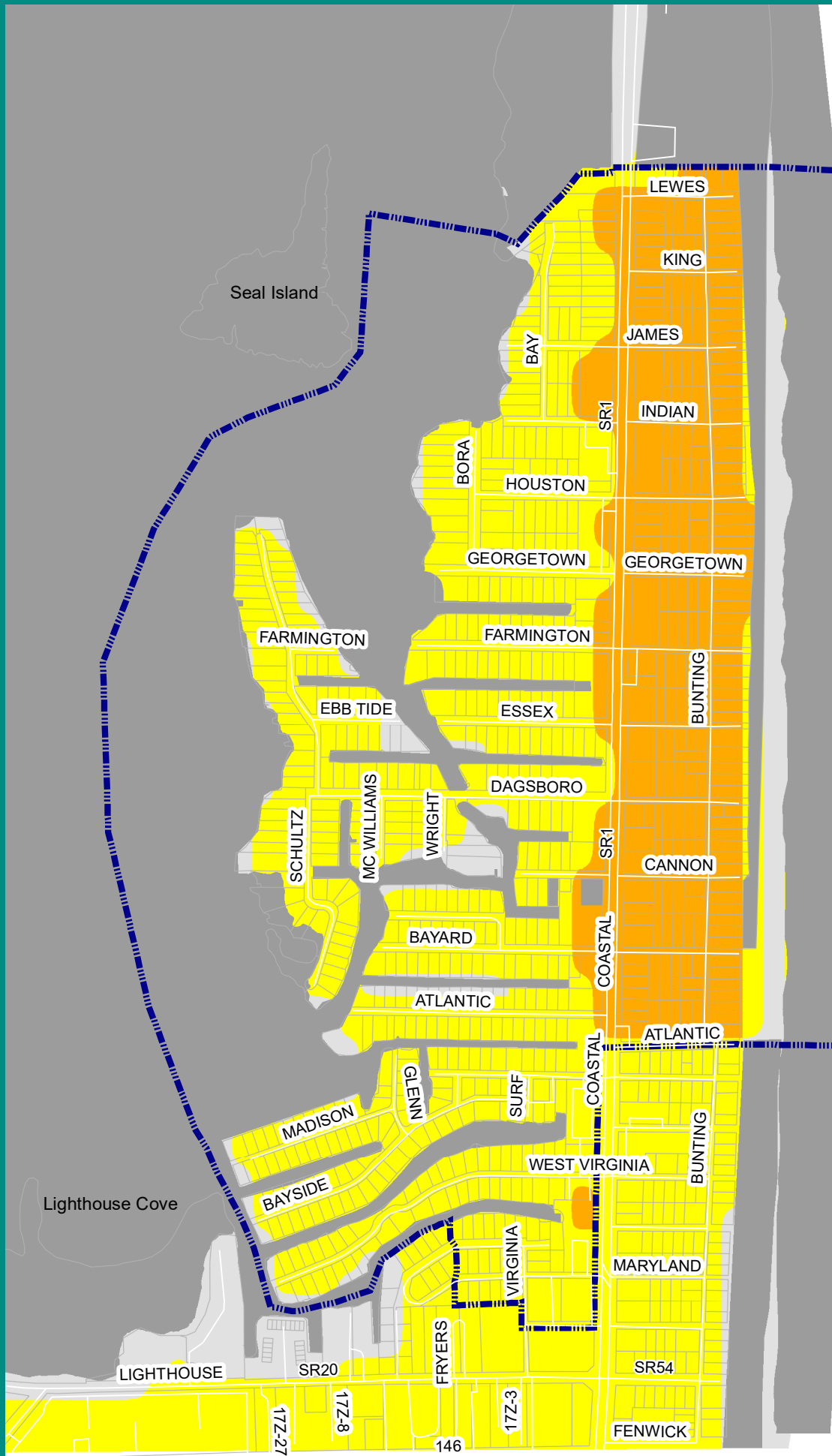


*DRAFT - March 2023*



Sources:  
Municipal Boundaries, State Strategies 2020 - Delaware Office of State Planning Coordination (OMB), FirstMap 10/21.  
Roads - Sussex County, Delaware, 10/21.  
Hydrology - USGS and National Hydrography Dataset (NDH) flowline, USGS and EPA, FirstMap10/21.

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Sources:  
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# Town of Fenwick Island

Sussex County, Delaware



## Zoning Map

### Zoning Districts

-  Residential
-  Commercial
-  Park



May 2023



Sources:  
 Aerial Imagery - Surdex, Corp. 2017. Municipal Boundaries - Delaware Office of State Planning Coordination (OMB).  
 FirstMap 10/21. Roads - Sussex County, Delaware, 10/21.  
 Railroads - DelDOT, FirstMap, 10/21.  
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





# Town of Fenwick Island

Sussex County, Delaware



## Area of Concern

-  Area of Concern
-  Fenwick Island Town Limits
-  Town Parcels
-  Sussex County Parcels
-  State Boundary
-  Major Routes



DRAFT - June 2023



Sources:  
 Aerial Imagery - Sundex, Corp. 2017. Municipal Boundaries - Delaware Office of State Planning Coordination (OMB).  
 FirstMap 10/21. Roads - Sussex County, Delaware, 10/21.  
 Railroads - DelDOT, FirstMap, 10/21.  
 Hydrology - USGS and National Hydrography Dataset (NHD) flowline, USGS and EPA, FirstMap 10/21.

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## Appendix B. Excerpt of Community Survey Results



# FENWICK ISLAND

Planning Commission Survey Results  
Updated Feedback – March 14, 2023



## **Document History**

- 2/23 Original presentation for key stats and figures
- 3/2023 Updated data for the following reasons:
  - 48 paper submissions were entered 2/25 and 2/27
  - Updated charts reflected new entries
  - Updated slides provide further analysis on answers
- 3/14/2023 Updated presentation for key status and figures
  - Original stats and figures updated
  - Additional analysis on presentation, including keyword analysis

**SURVEY INFORMATION - as of FEBRUARY 27, 2023**

**Start of Survey/Invitation Data:**

861 Total Invitations Sent	
-16 Bounced (undeliverable email)	
-31 Opted Out (email opted out of receiving survey monkey emails)	
<b>814 Net email Invitations</b>	
<b>510 Reminder emails (Send Us Some Love) sent 2/14/23</b>	

	As of 2/27	Percent of Net invitations	
Opened Email	676	83%	
Unopened Email	136	17%	
Clicked through to Begin Survey	418	51%	Note: 51% (418/814) of those who opened the email, clicked to begin the survey.
Survey Completed from Email Link	343	82%	Note: 82% (343/418) of those who started the survey have completed it.
Survey Completed from Web Link	127		Note: Group that utilized our Web Link on the Town Website page (visitors and/or other)
Survey Completed from Paper Submission	48		
<b>Total Respondents</b>	<b>518</b>		

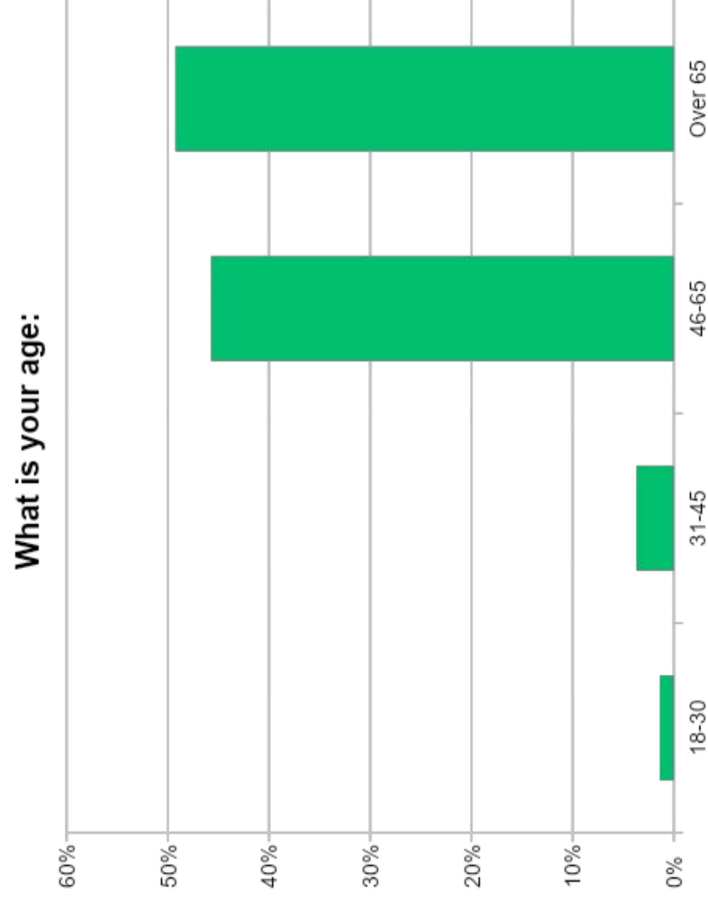
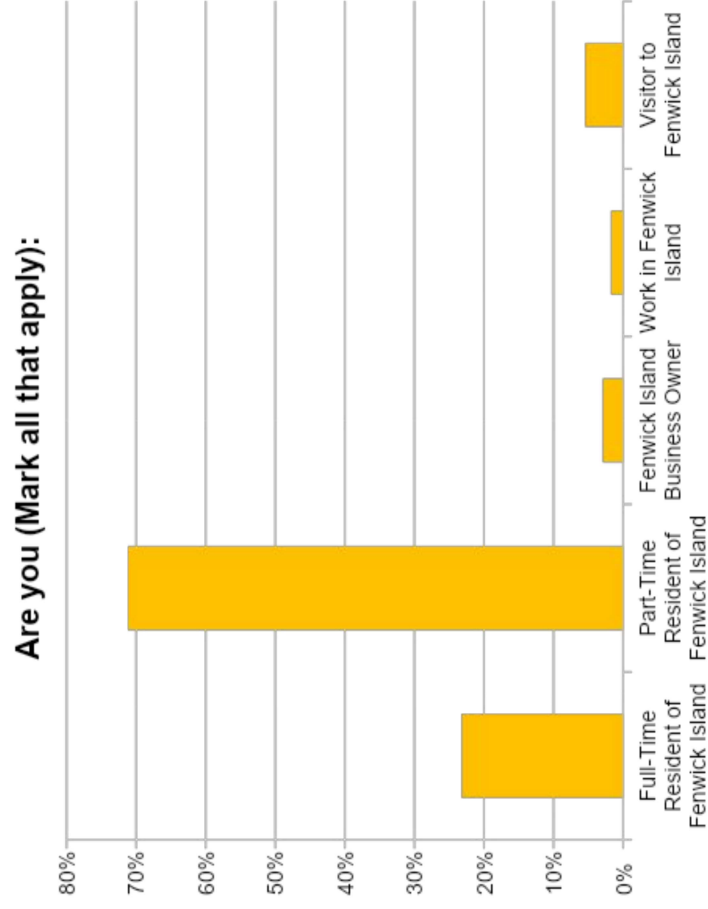
**MAKEUP OF REPONSES (as of Today):**

Full-Time Resident of Fenwick Island	120	23.92%
Part-Time Resident of Fenwick Island	368	70.74%
Fenwick Island Business Owner	15	2.80%
Work in Fenwick Island	9	1.78%
Visitor to Fenwick Island	28	5.34%

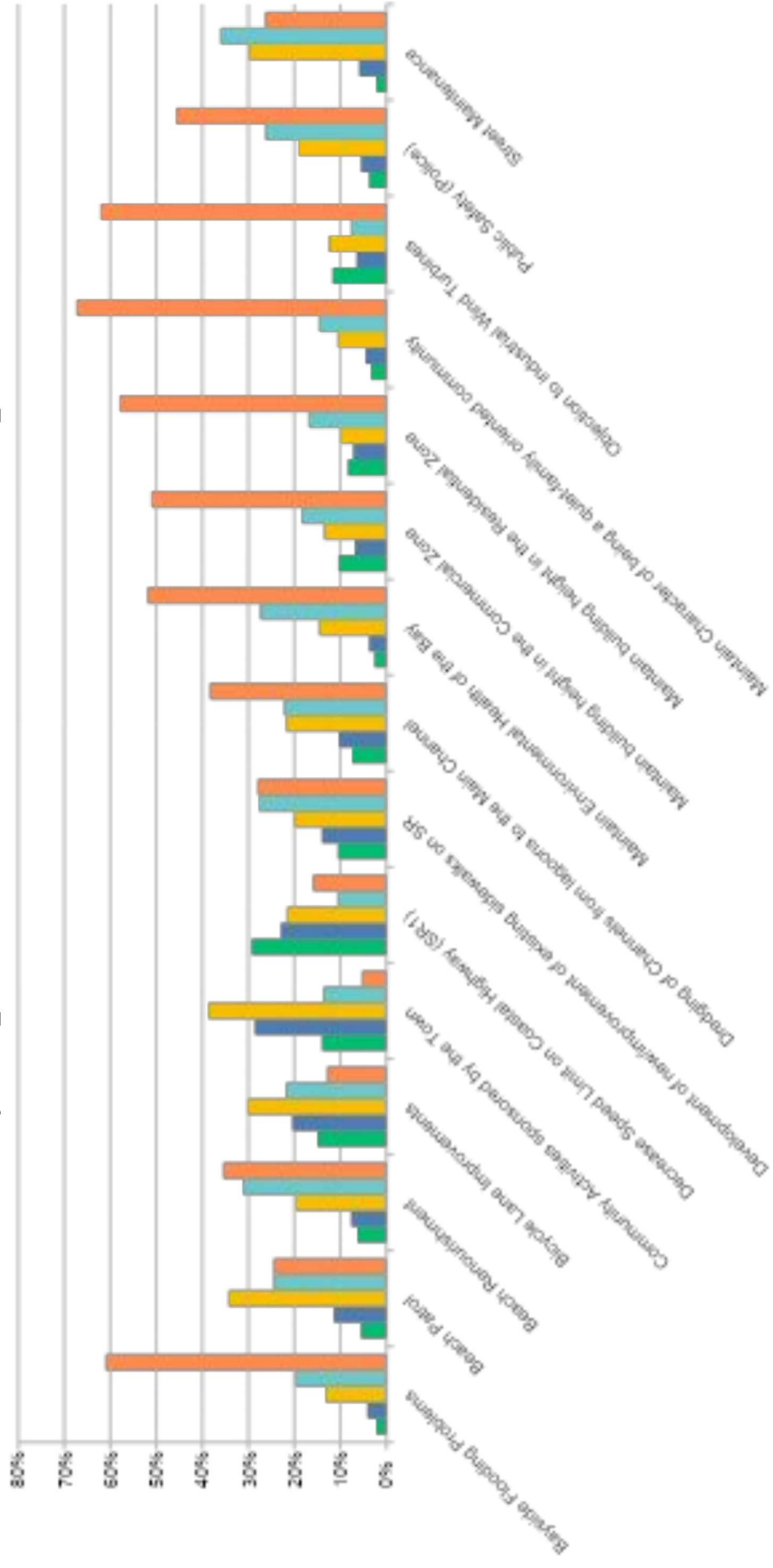
Note: One person didn't complete the first 2 questions.

Note: One person didn't complete the 2nd question.

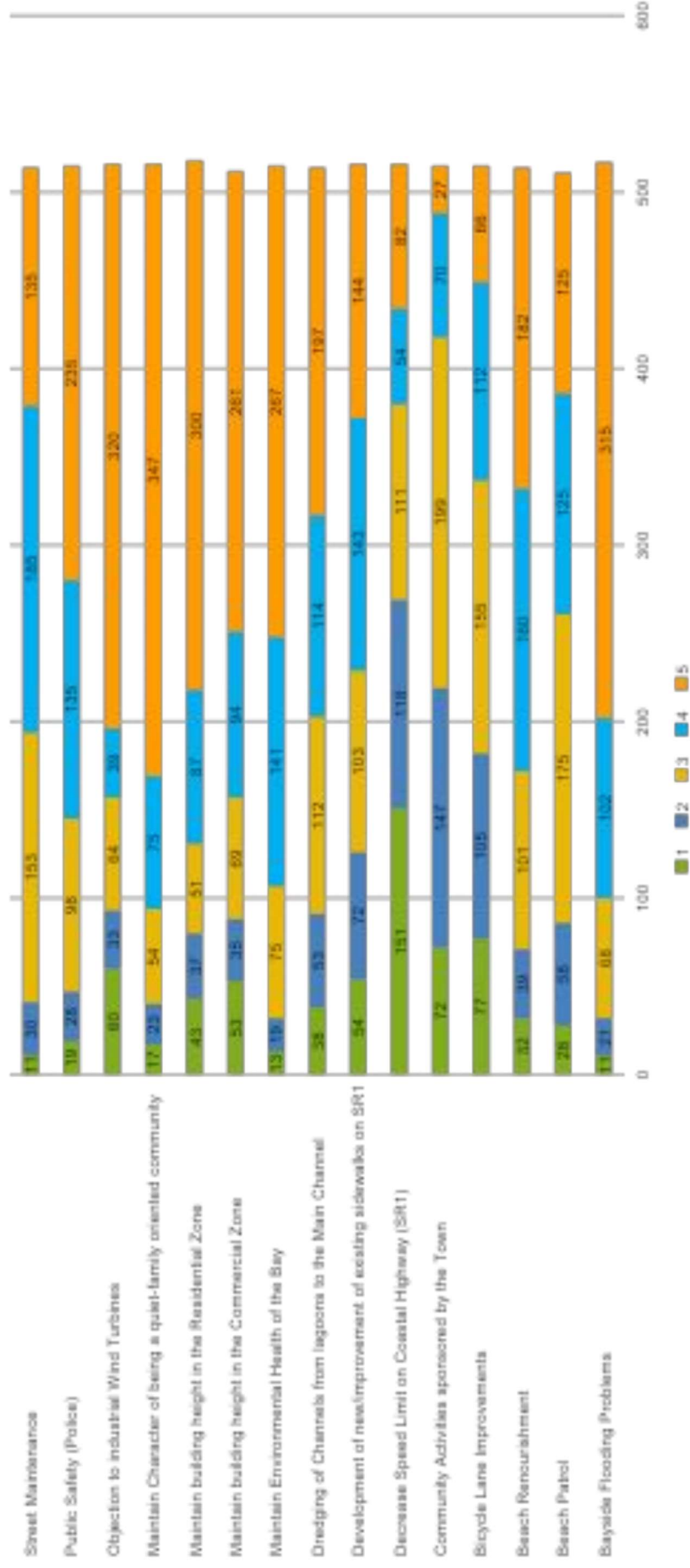
## Q #1/2 - Survey Respondent Data



## Q #3 – How would you prioritize these for the Comprehensive Plan?



## Q #3 – How would you prioritize these for the Comprehensive Plan?





## Q #4 - Do you have any other priorities/topics not listed above?

- 233 responded, covering a hodgepodge of issues
  - Items included in prior rankings
    - dredging, flooding, beach renourishment, sidewalks, keeping Fenwick quiet, Town sponsored activities
  - Recent Town issues
    - parking, shuttles/LSV, keeping Bunting Ave two-way, supporting businesses
  - Open comments regarding
    - crosswalks, traffic enforcement on Rt 1, enforce existing ordinances, noise/light pollution, summer construction, beautification of Town and business districts

Top Words	# of Mentions
Parking	66
Town	40
Beach	40
Street	28
Better	26
Need	25
Businesses	24
Lights	19
Keep	16
Fenwick	16
Traffic	12
Crosswalks	12
Allowing	12
Crossing	12
Maintain	11

## Q #5 – What are three (3) words you use to describe Fenwick Island?

accessible away bay beaches beachpatrol beachy  
 beautiful beautifulbeach beautifulbeaches beautifulhomes business calm caring changing  
 charming clean comfortable community  
 crowded dining enjoyable family family-focused family-friendly  
 familybeach friendly friends fun gem gorgeous greatpoliceforce happy hidden  
 historic historical history home homes homey laid laidback live lovely neighborly  
 neighbors nice oasis ocean orientated orientd oriented paradise peace  
 peaceful people pleasant quaint quaintness quiet  
 relaxing renewing residential resort restaurants safe serene  
 simple small special stubborn town uncrowded underrated  
 undiscovered unfriendly unique walkable

473

Responses

# Q #5 – What are three (3) words would you use to describe Fenwick Island?

- The top 14 most used words reflect 80% of all words used to describe Fenwick Island

<i><b>Quiet</b></i>	<i><b>216</b></i>	<i><b>20.19%</b></i>
<i><b>Friendly</b></i>	<i><b>115</b></i>	<i><b>10.75%</b></i>
<i><b>Family</b></i>	<i><b>105</b></i>	<i><b>9.81%</b></i>
Safe	69	6.45%
Peaceful	63	5.89%
Quaint	48	4.49%
Beach	42	3.93%
Relaxing	39	3.64%
Family Oriented	39	3.64%
Beautiful	37	3.46%
Clean	28	2.62%
Home	26	2.43%
Charming	19	1.78%
Community	17	1.59%

**Q #6 - Please list up to three (3) things about Fenwick Island that are most important to you:**

463

Responses

atmosphere bay bayside beach beaches building  
business character clean community family  
flooding friendly keeping  
maintaining parking quiet  
residential residents restaurants safe small  
town

## Q #7 - Please list up to three (3) things you would like to see changed about FI

- 414 responded, with most addressed in previous responses
  - Business, Town and parking mentioned most frequently with wide ranging views on these topics
  - Sidewalks, flooding, speeding dredging also amongst most frequently used terms
  - Pedestrian safety and crossing Rt 1 were also important topics

Top Words	# of Mentions
Parking	76
Town	72
Business	67
Beach	61
Better	52
Sidewalks	48
Streets	46
Improve	26
Less	25
Needs	24
Flooding	22
Stop	16
Lights	14
Rt 1/54	14
Restaurants	14
Keep	13
Make	13
Safe	12
Commercial	11
Building	11
Coastal Highway	10
Limit	10
Bayside Flooding	10



## Q #8 – Why do you choose to live/visit/work/own a business in Fenwick Island:

436

Responses

quiet resort Delaware activities quaint nice environment Peaceful memories feel wonderful  
uncrowded beaches maintain friends chose beautiful always grew enjoy quiet  
safe years love people life vacation boat ocean location

Fenwick Island walk relaxing many great see access s quiet

small Ocean City enjoy shopping place now live great place s close

home summer family time love neighbors beach

charm quiet want Fenwick change town beautiful beaches

years work beach town visit bay friendly people

community quiet family oriented crowded city coming Bethany

good atmosphere small town taxes restaurants oc friendly

family property great beach quiet safe FI home away home beach bay hope clean  
keeps character parking family oriented still small town feel go house generations  
family friendly bought built One area property



# Appendix C. Demographic Profile

## C-1. Demographic Characteristics

According to data from U.S. Census estimates from the American Community Survey 2016–2020, Fenwick’s population stayed about the same over the past few decades, with a very large proportion of residents identifying as white and over the age of 60. While the town’s population declined over the past 10 years, Delaware’s Population Consortium has projected it to grow a significant amount over the next 3 decades. Fenwick’s household income is also significantly higher than Sussex County, the State of Delaware, and the United States overall, and has a very small percentage of residents living below the poverty line. Only 34.0% of the town’s residents are employed and just 1.4% are unemployed, signaling that the majority of the town’s residents are likely retired. 91.9% of Fenwick’s housing are 1 unit detached single family homes, and even though over 95% of housing units are owner-occupied just 27.9% of all housing units are occupied year-round. The average home in Fenwick is more than three times more valuable than either Sussex County or the State of Delaware, but the housing stock is also aging with 71.5% of all housing being built prior to the year 2000.

**Table 1. Population 1960-2020**

	<b>Fenwick</b>	<b>Sussex County</b>	<b>Delaware</b>
<b>1960</b>	48	73,195	446,292
<b>1970</b>	56	80,356	548,104
<b>1980</b>	114	98,004	594,338
<b>1990</b>	186	113,229	666,168
<b>2000</b>	342	156,638	783,600
<b>2010</b>	379	197,145	897,934
<b>2020</b>	343	237,378	989,948

Source: U.S. Decennial Census, 1960–2020.

**Table 2. Population Trend 1990–2010, Projection to 2050**

	<b>Fenwick</b>	<b>Sussex County</b>	<b>Delaware</b>
<b>1990</b>	186	113,229	666,168
<b>2000</b>	342	156,638	783,600
<b>2010</b>	379	197,145	897,948
<b>2020</b>	343	237,378	989,920
<b>2030</b>	508	272,266	1,042,869
<b>2040</b>	554	295,311	1,085,592
<b>2050</b>	592	307,544	1,115,712

Source: Actual population data, 1990–2010, were obtained from the U.S. Census. Projections 2030–2050 were obtained from the Delaware Population Consortium.

**Table 3. Means of Travel to Work, by Percent of Workers, 2020**

	<b>Drove Alone</b>	<b>Carpooled</b>	<b>Public Transit</b>	<b>Walked</b>	<b>Other Means</b>	<b>Worked at Home</b>
<b>Fenwick</b>	73.6%	13.6%	0.0%	2.1%	0.0%	10.7%
<b>Sussex County</b>	82.0%	7.5%	.33%	1.0%	1.2%	8.0%
<b>Delaware</b>	78.8%	8.6%	2.2%	2.1%	1.1%	7.2%

Source: U.S. Census Bureau, 2016–2020 American Community Survey 5-Year Estimates, Commuting Characteristics, Table S0801.

**Table 4. Household Annual Income, 2020**

	<b>Fenwick</b>	<b>Sussex County</b>	<b>Delaware</b>	<b>United States</b>
<b>Median Income</b>	\$85,000	\$64,905	\$69,110	\$64,994

Source: U.S. Census Bureau, 2016–2020 American Community Survey 5-Year Estimates, Table DP03.

**Table 5. Selected 2020 Income Distribution and Poverty Data**

	<b>Fenwick</b>	<b>Sussex County</b>	<b>Delaware</b>	<b>United States</b>
<b>Households with Annual Income under \$25,000</b>	7.9%	15.7%	15.5%	18.4%
<b>Households with Annual Income of \$100,000 or More</b>	44.2%	32.8%	32.3%	31.0%
<b>Individuals below Poverty Line</b>	2.2%	11.7%	11.4%	12.8%
<b>Individuals 65 Years and Over below Poverty Level</b>	1.6%	5.5%	6.5%	9.3%

Source: U.S. Census Bureau, 2016–2020 American Community Survey 5-Year Estimates.

**Table 6. Employment Status, 2020**

<b>Employment Status</b>	<b>Fenwick</b>	<b>Sussex County</b>	<b>Delaware</b>	<b>United States</b>
<b>Employed</b>	34.0%	52.5%	58.0%	59.6%
<b>Unemployed</b>	1.4%	4.8%	5.8%	5.4%

Source: U.S. Census American Community Survey 2016–2020.

**Table 7. Occupational Breakdown, 2010 and 2020**

<b>Occupational Category</b>	<b>Fenwick</b>		<b>Sussex County</b>		<b>Delaware</b>	
	<b>2010</b>	<b>2020</b>	<b>2010</b>	<b>2020</b>	<b>2010</b>	<b>2020</b>
<b>Management, Business, Science &amp; Arts</b>	42.3%	60.0%	40.8%	35.2%	36.8%	40.8%
<b>Service</b>	18.5%	9.3%	15.9%	18.5%	17.0%	17.2%
<b>Sales &amp; Office</b>	21.6%	20.0%	26.0%	23.1%	26.0%	21.6%
<b>Natural Resource, Construction &amp; Maintenance</b>	7.6%	8.6%	7.9%	10.9%	9.6%	8.8%
<b>Production, Transportation &amp; Material Moving</b>	10.1%	2.1%	9.5%	12.3%	10.6%	11.7%

Source: U.S. Census American Community Survey, S2405, 2006–2010 and 2016–2020

**Table 8. Fenwick Housing Stock Composition, 2020**

	<b>Fenwick</b>	<b>Sussex County</b>	<b>Delaware</b>
<b>1-Unit Detached</b>	91.9%	64.7%	58.5%
<b>1-Unit Attached</b>	4.2%	9.8%	15.9%
<b>2 or More Units</b>	3.9%	10.4%	17.8%
<b>Mobile Home and Other</b>	0.0%	15.0%	7.8%

Source: U.S. Census Bureau, 2016–2020 American Community Survey 5-Year Estimates, Selected Housing Characteristics, Table DP04.

**Table 9. Fenwick Housing Occupancy, 2020**

	<b>Fenwick</b>	<b>Sussex County</b>	<b>Delaware</b>
<b>Overall Occupancy</b>	27.9%	66.8%	84.6%
<b>Owner-Occupied</b>	95.2%	81.1%	71.4%
<b>Renter-Occupied</b>	4.8%	18.9%	28.6%
<b>Overall Vacancy</b>	72.1%	33.2%	15.4%

Source: U.S. Census Bureau, 2016–2020 American Community Survey 5-Year Estimates, Selected Housing Characteristics, Table DP04.

**Table 1. Fenwick Age of Occupied Housing Units, 2020**

<b>Year Built</b>	<b>Fenwick</b>	<b>Sussex County</b>	<b>Delaware</b>
<b>2014 or later</b>	4.6%	9.5%	5.4%
<b>2010 to 2013</b>	4.6%	6.4%	4.1%
<b>2000 to 2009</b>	14.3%	27.1%	18.7%
<b>1990 to 1999</b>	18.9%	16.9%	15.1%
<b>1980 to 1989</b>	20.8%	13.8%	12.6%
<b>1970 to 1979</b>	13.2%	10.1%	11.4%
<b>1960 to 1969</b>	15.3%	4.8%	10.0%
<b>1950 to 1959</b>	3.3%	4.7%	9.9%

Source: U.S. Census Bureau, 2016–2020 American Community Survey 5-Year Estimates, Selected Housing Characteristics, Table DP04.



**Table 11. Median Housing Value, Owner-Occupied Housing, 2020**

Fenwick	Sussex County	Delaware
\$899,500	\$269,700	\$258,300

Source: U.S. Census Bureau, 2016–2020 American Community Survey 5-Year Estimates, Selected Housing Characteristics, Table DP04.

**Table 12. Median Gross Rent, 2020**

Fenwick	Sussex County	Delaware
\$1,313	\$1,107	\$1,150

Source: U.S. Census Bureau, 2016–2020 American Community Survey 5-Year Estimates, Selected Housing Characteristics, Table DP04.

**Table 13. Median Gross Rent as Percent of Household Income, 2020**

	Fenwick	Sussex County	Delaware
<b>15% or Less</b>	0.0%	13.3%	12.1%
<b>15–19.9%</b>	27.3%	10.9%	12.7%
<b>20–24.9%</b>	0.0%	9.3%	11.0%
<b>25–29.9%</b>	9.1%	7.3%	11.6%
<b>30–34.9%</b>	0.0%	8.3%	8.7%
<b>35% or More</b>	27.3%	41.4%	37.2%

Source: U.S. Census Bureau, 2016–2020 American Community Survey 5-Year Estimates, Selected Housing Characteristics, Table DP04.

## Households

Table 14 summarizes household characteristics for Fenwick, Sussex County, and Delaware. A household is any occupied housing unit comprising all of those people living in the unit. Fenwick has a significantly lower household size compared to the county and state, possibly due to the fact that there are not many children living full time in the town.

**Table 14. Household and Family Characteristics, 2020**

	<b>Fenwick</b>	<b>Sussex County</b>	<b>Delaware</b>
<b>Total Population</b>	343	237,378	989,948
<b>Total Households</b>	228	94,223	370,953
<b>Average Household Size</b>	1.95	2.41	2.54

Source: U.S. Census 2020 American Community Survey 5-Year Estimates, Table S1101.

### Racial Composition, Hispanic or Latino Origin

Tables 15 and 16 compare Fenwick's 2020 racial characteristics to those of the county and state, and summarize the town's racial composition in 2010 and 2020. Fenwick is 93.9% white and has many more residents identifying as white than Sussex County and the State of Delaware. Between 2010 and 2020 the racial demographics in Fenwick became slightly more diverse.

**Table 15. Racial Composition of Fenwick, Sussex County, and State, 2020**

	<b>Fenwick</b>	<b>Sussex County</b>	<b>Delaware</b>
<b>White (reporting only one race)</b>	93.9%	74.1%	60.4%
<b>Black or African American (reporting one race)</b>	1.7%	10.7%	22.1%
<b>Other (reporting two or more races)</b>	4.4%	15.2%	17.5%
<b>Totals</b>	343	237,378	989,948

Source: U.S. Census 2020 (Decennial).

**Table 16. Fenwick's Racial Composition, 2010–2020**

	<b>2010</b>	<b>2020</b>
<b>White (reporting one race)</b>	97.6%	93.9%
<b>Black or African American (reporting one race)</b>	0.5%	1.7%
<b>Other (reporting two or more races)</b>	1.8%	4.4%
<b>Totals</b>	379	343

Source: U.S. Census 1990, 2000, 2010 Summary File 1 and U.S. Census 2020 (Decennial).

**Table 17. Fenwick Population Reporting Hispanic or Latino Origin, 1990, 2000, 2010, and 2020**

	2010	2020
Hispanic or Latino (of any race)	1.2%	1.5%
Not Hispanic or Latino	98.9%	98.5%
<b>Total Population</b>	<b>379</b>	<b>343</b>

Source: U.S. Census 2010 Summary File 1, U.S. Census 2020 (Decennial).

## Age Distribution

As Table 18 indicates, Fenwick’s age distribution is older than Sussex County and the state of Delaware. Fenwick has a much larger population of residents over the age of 60 compared to the Sussex County and the state of Delaware, and a much smaller population in other age brackets.

**Table 18. Age Distribution, 2020**

	Fenwick		Sussex County		Delaware	
<b>Under 5 Years</b>	3	0.7%	11,613	5.0%	54,774	5.7%
<b>5 to 19 Years</b>	33	7.4%	34,997	15.2%	174,553	18.0%
<b>20 to 59 Years</b>	102	22.9%	100,468	43.6%	489,923	50.6%
<b>60 Years &amp; Over</b>	307	67.0%	83,171	36.1%	248,528	25.7%
<b>Totals</b>	445		230,249		967,679	
<b>Median Age</b>	67.9		50.3		41.0	

Source: U.S. Census 2016-2020 American Community Survey 5-Year Estimates, Table DP05.

Tables 19 shows that age distribution in Fenwick Island changed slightly from 2010 to 2020, with a growing proportion of the town that is 60 years and over. The age 20 to 59 year age bracket declined as a percentage of the overall town population, while residents 19 and under increased by a very small margin.

**Table 19. Fenwick Age Distribution Change, 2010 to 2020**

	<b>2010</b> # of people/ percent of total	<b>2020</b> # of people/ percent of total	<b>Change</b>	
<b>Under 5 Years</b>	1/0.3%	3/0.7%	+2	0.4%
<b>5 to 19 Years</b>	14/4.2%	33/7.4%	+19	3.2%
<b>20 to 59 Years</b>	99/30.0%	102/22.9%	+3	-7.1%
<b>60 Years and Over</b>	216/65.5%	307/67.0%	+91	1.5%
<b>Totals</b>	330/100%		+115	

Source: U.S. Census 2010, Summary File 1, U.S. Census 2016-2020 American Community Survey 5-Year Estimates, Table DP05.

## Education

Table 20 compares Fenwick's educational attainment for the population aged 25 years or over with that of the county and state. As the table shows, the percentage of Fenwick Island residents with a bachelor's degree or greater is significantly higher than that of the state and county.

**Table 20. Educational Attainment for Population Over 25, 2020**

	<b>Fenwick</b>	<b>Sussex County</b>	<b>Delaware</b>
<b>Not High School (HS) Graduates</b>	3.7%	11.0%	9.4%
<b>Graduated HS, No College Degree</b>	40.5%	50.1%	49.9%
<b>Associate's Degree</b>	6.0%	9.5%	8.0%
<b>Bachelor's Degree or Greater</b>	49.9%	29.4%	32.7%

Source: U.S. Census Bureau, 2016–2020 American Community Survey 5-Year Estimates.



## Appendix D. Resolution regarding Offshore Wind Development



## TOWN OF FENWICK ISLAND, DELAWARE

### RESOLUTION #113-2022

#### RESOLUTION TO SUPPORT A FEDERAL ADOPTION OF AN EXCLUSION ZONE FOR OFFSHORE WIND OF AT LEAST 30 MILES FROM THE COAST OF DELAWARE AND FENWICK ISLAND DELAWARE

*Summary: numerous environmental and practical concerns exist when industrial sized offshore wind is located too close to shore. The U.S Bureau of Ocean Energy Management needs to abandon existing offshore wind leases areas closer than 30 miles to shore.*

**WHEREAS**, New York state advised BOEM they wanted the Fairway lease area located 12 miles from the coast off the Hamptons be abandoned, and BOEM complied, and

**WHEREAS**, BOEM moved a lease area near *Kitty Hawk National Park* 28 miles from shore to protect the view, and

**WHEREAS**, BOEM has identified new offshore wind lease areas farther offshore, and is proceeding to lease them, and

**WHEREAS**, New York state established a 20 mile exclusion zone based on a 2015 BOEM study finding 600' tall turbines would "dominate" the horizon **at 15 miles negatively impacting the tourist industry by destroying ocean views, and over concerns commercial fishing and vessel traffic would be negatively impacted, and**

**WHEREAS**, BOEM's Record of Decision in the Vineyard Wind project states the commercial fishing industry will likely abandon fishing in lease areas, and the currently defined 17 lease areas occupy an area the size of Connecticut in prime fishing areas threatening our food supply, and

**WHEREAS**, BOEM ignored its own 2015 study showing just 600' tall turbines would "dominate" the horizon, the worst possible rating, and a North Carolina State study showing 38% of beach community renters would not return to a beach with visible turbines, and

**WHEREAS**, No studies exist on the potential impacts of industrial sized turbine fields with acres of cement, rock, cables with electromagnetic fields, and both construction and operational noise that increases with turbine size on seabed creatures that form the basis of the food chain. There is particular concern about the Horseshoe Crab critical to vaccine availability, and on migrating birds such as the Endangered Red Knot that depends on Horseshoe Crab eggs for food. Three lease areas sit atop the Carl N. Shuster, Jr. Horseshoe Crab Sanctuary off the Delaware Bay, and

**WHEREAS**, Turbine blades sweep an area the size of eight football fields with blade tips whirling at up to 180 mph, posing a hazard to birds in the Mid-Atlantic Flyway that extends over the entire east coast, and



**RESOLUTION TO SUPPORT A FEDERAL ADOPTION OF AN EXCLUSION ZONE FOR OFFSHORE WIND OF AT LEAST 30 MILES FROM THE COAST OF DELAWARE AND FENWICK ISLAND DELAWARE**  
continued...

**WHEREAS**, the industrialization of the coastal horizon is extreme along the Delaware coast as turbines are projected to be placed in tracts that line the entire ocean coastline of the State from Lewes to state line

**WHEREAS**, Turbines currently planned for most offshore wind projects are 12-14 megawatt, 850' to 1024' with 1100' 20 megawatt turbines beginning to be used in Europe. Thus, the 20-mile exclusion zone should be increased to at least 30 miles from the coast of Delaware.

**THEREFORE BE IT RESOLVED**, We call upon the State of Delaware, the U.S Congress and the U.S. Bureau of Ocean Energy Management to update visualization and radar studies for turbines up to 1100' tall, AND abandon offshore wind lease areas closer than at least 30 miles from the Atlantic shore of Delaware, AND ensure any new lease areas avoid impacts on endangered species, fishing grounds, vessel transit lanes, and consider all other environment risks.

Attest:   
Raelene Menominee, Town Administrator

  
Vicki Carmean, Mayor

  
Natalie Magdeburger, Council Secretary

*I, Natalie Magdeburger, Secretary of the Town Council of the Town of Fenwick Island, Delaware, do hereby certify that the foregoing is a true and correct copy of the Resolution passed by the President and Council at a meeting on March 4, 2022, at which a quorum was present and voting throughout and the same is still in force and effect.*

3/4/2022  
Date

  
Natalie Magdeburger, Council Secretary



## Appendix E. Potential Funding Opportunities

	Project:	Dredging of Little Assawoman Bay in Fenwick Island, DE and relocation of dredged material.			
	Options:	Seal Island		SeaTowne Resort	
Grants available:		NOAA <a href="#">National Oceans and Coastal Security Fund</a>	FWS <a href="#">Boating Infrastructure Grant Program</a>	FWS <a href="#">National Coastal Wetlands Conservation Grant</a>	FWS <a href="#">Boating Infrastructure Grant Program</a>
Application due date:		April, 2023	TBD	June 30, 2023	TBD
Funding amount:		\$100,000-\$10,000,000	\$200,000	Up to \$1 million	\$200,000
NOFO:		Coming April 2023	TBD	Coming Feb 2023	TBD
Details:		NCRF restores, increases and strengthens natural infrastructure to protect communities while also enhancing habitats for fish and wildlife. “The program invests in projects like coastal marshes and wetlands, dune and beach systems, and barrier islands that minimize the impacts of coastal flooding on nearby communities.”	Actions available for funding: “ <a href="#">Dredging</a> a channel, boat basin, or other boat passage following the requirements at § 86.15.”	“...to protect, restore and enhance coastal wetland ecosystems and associated uplands. Eligible projects include the acquisition of real property interest in coastal lands or waters and the restoration, enhancement, or management of coastal wetlands ecosystems.”	Actions available for funding: “ <a href="#">Dredging</a> a channel, boat basin, or other boat passage following the requirements at § 86.15.”
Other notes:			BIG funding is only given through states.		BIG funding is only given through states.